

Accountability Index Calculation and Status Determination

An Overview

The accountability index score is calculated in three steps.

1. Student-level index values are determined.
2. School-level Index Scores are calculated.
 - a. School-level Overall Index Score is calculated.
 - b. School-level English Language Arts (ELA) Subject Index Score is calculated.
 - c. School-level Mathematics Subject Index Score is calculated.
 - d. School-level Overall and Subject Subgroup Index Scores are calculated.
3. Schools are classified in one of five categories based on their Overall Index Score to determine status.

A Breakdown of the Process

1. Student-level index values are determined.
 - a. Current and prior year student-level scores are classified into seven categories based on the tables below.

Reading Cut Scores & Ranges							
Grade	Below Basic Low Cell 1	Below Basic High	Basic Low	Basic Middle	Basic High	Proficient	Advanced
3	300-318	319-338	339-343	344-348	349-353	354-372	373-399
4	400-418	419-338	439-443	444-448	449-454	455-471	472-499
5	500-519	520-539	540-544	545-549	550-555	556-572	573-599
6	600-619	620-639	640-644	645-649	650-654	655-671	672-699
7	700-718	719-738	739-743	744-749	750-755	756-767	768-799
8	800-819	820-839	840-844	845-849	850-855	856-869	870-899
10	900-919	920-939	940-944	945-949	950-955	956-969	970-999

Math Cut Scores & Ranges							
Grade	Below Basic Low	Below Basic High	Basic Low	Basic Middle	Basic High	Proficient	Advanced
3	300-319	320-339	340-345	346-352	353-359	360-375	376-399
4	400-420	421-442	443-447	448-452	453-457	458-473	474-499
5	500-520	521-542	543-547	548-553	554-559	560-574	575-599
6	600-617	618-635	636-641	642-647	648-653	654-667	668-699
7	700-717	718-735	736-740	741-745	746-751	752-769	770-799
8	800-817	818-835	836-839	840-844	845-849	850-867	868-899
10	900-916	917-932	933-938	939-944	945-950	951-970	971-999

- b. The seven categories from the current year and prior year are compared to produce an index value for each student based on the points in the chart below.

Minimum Number of Students = 25		Current Score 2012						
		Below Basic		Basic			Proficient	Advanced
Prior Score 2011		Low Cell 1	High Cell 2	Low Cell 3	Middle Cell 4	High Cell 5	All Cell 6	All Cell 7
Below Basic	Low Cell 1	0	20	40	60	80	100	110
	High Cell 2	0	0	20	40	60	100	110
Basic	Low Cell 3	0	0	0	20	40	100	110
	Middle Cell 4	0	0	0	0	20	100	110
	High Cell 5	0	0	0	0	0	100	110
Prof-icient	All Cell 6	0	0	0	0	0	100	110
Adva-nced	All Cell 7	0	0	0	0	0	100	110
No Prior Score		0	0	0	0	0	100	110
Alternate Assessment		0		0			100	110

2. School-level Index Scores are calculated.
 - a. All Full Academic Year (FAY) students' index values are averaged to determine the Overall School Index Score. This score will include all tested subjects for that year (with Composition being added in school year 2012-13, and Science being added in school year 2013-14).
 - b. All FAY students' ELA index values are averaged to calculate the school's ELA Subject Index Score.
 - c. All FAY students' Mathematics index values are averaged to calculate the school's Mathematics Subject Index Score.
 - d. Repeat parts a-c to calculate the School's Overall and Subject Index Scores for each student subgroup.

3. Schools are classified in one of five categories based on their Overall Index Score to determine status.

Priority School will be the classification for:

1. Any school that is a Tier I or Tier II School Improvement Grant (SIG) school;
2. Any school with a graduation rate of 60% or below for two or more consecutive years;
3. Any school with an Overall Index Score of 25 points or below; **or**
4. Any school in which the overall student participation rate that is less than 95% for two or more consecutive years, even if the school's Overall Index Score is above 25.
5. Any school that has been previously identified as Priority and has not shown three years of progress.

Focus School will be the classification for:

1. Any school with an Overall Subgroup Index Score 20 points or more below the Statewide Subgroup Index Score for that subgroup. This applies for each tested subject as well. The Disproportionate Subgroup Performance Index Score is calculated using the following:
$$\text{Disproportionate Subgroup Performance Index Score} = \frac{\text{Statewide Subgroup Index Score in given subject} - \text{School Subgroup Index Score in given subject}}{\text{Disproportionate Subgroup Performance Index Score}}$$
2. Any school with subgroup participation rate below 95% for two or more consecutive years in the same subgroup.
3. Any school that has been previously identified as Focus and has not shown two years of progress.
4. If less than 10% of the schools in the District have been identified as Focus through 1-3, any school with a within-school achievement gap that has among largest gaps between the highest and lowest performing Subgroup Index Scores within a subject. This is calculated as follows:
 - a. Schools are ranked based on the difference between the highest Subgroup Index Score and the lowest Subgroup Index Score for each subject.
 - b. than schools are selected from this list based on the largest difference until 10% of the schools in the District have been identified as Focus.

Reward School will be the classification for:

1. Any school with a participation rate of 95% or better; and
2. Any school with a graduation rate above 60%; and
3. Any school with an Overall Index Score of 80 or above; or
4. Any school ranked in the top 5% in annual growth, based on reading and math combined across all content areas, in the all students group.

Developing/Rising School will be the classification for:

1. All remaining schools with an Overall School Index Score between 26-44, inclusive. These schools are identified as **Developing**.
2. All remaining schools with an Overall School Index Score of 45 or above. These schools are identified as **Rising**.

Key to Spreadsheet

Proficiency Level

1 = Below Basic

2 = Basic

3 = Proficient

4 = Advanced

Cells

Cell 1 = Below Basic Low

Cell 2 = Below Basic High

Cell 3 = Basic Low

Cell 4 = Basic Middle

Cell 5 = Basic High

Cell 6 = Proficient

Cell 7 = Advanced